

**Mike Bricker  
ICON, Inc.  
8333 Clinton Park Drive  
Fort Wayne, Indiana 46825**

Re: Exempt Operation Status,  
**003-13810-00280**

Dear Mike Bricker:

The application from ICON, Inc. received on January 19, 2001, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-1.1-3, it has been determined that the following painting of sections and components of trade show/exhibit booths, located at 8333 Clinton Park Drive, Fort Wayne, Indiana 46825, is classified as exempt from air pollution permit requirements. The source has the following Permitted Emission Units:

- (a) One (1) paint booth designated as PB-1, with dry filters to control particulate matter (PM) emissions, used to prime and finish paint on plastic, aluminum, fabric and wood trade show booth sections and components, at a capacity of 1 booth per 7.83 hour.
- (b) One (1) paint booth designated as PB-2, with dry filters to control particulate matter (PM) emissions, used to prime and finish paint on plastic, aluminum, fabric and wood trade show booth sections and components, at a capacity of 1 booth per 7.83 hour.
- (c) One (1) natural gas fired air make up heating unit, rated at 1.80 MMBtu/hr. designated as AMU- 1.
- (d) Twenty (20) natural gas fired building space heating units, each rated at 0.20 MMBtu/hr.

The following conditions shall be applicable:

- (1) Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following:
  - (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.
- (2) Pursuant to 326 IAC 6-3-2, the PM from each paint booth shall not exceed the pound per hour emission rate established as E in the following formula. Interpolation of the data for the process weight rate upto sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation :

$$E = 4.10 P^{0.67}$$

Where E = rate of emission in pounds per hour  
P = process weight rate in tons per hour

The control equipments shall be in operation at all times during operation of the paint booths, in order to comply with this limit.

- (3) Any change or modification which would increase the actual emission of VOC from coating metal to fifteen (15) pounds per day or more in any of these units shall obtain prior approval from IDEM, OAQ and shall be subject to the requirements of 326 IAC 8-2-9. The source shall maintain records of coating usage in order to show compliance with the fifteen pounds of VOC per day requirement.

This source was previously registered. Due to the change in the rule's emission levels, it is now an exemption.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original signed by  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

MZK

cc: File - Allen County  
Allen County Health Department  
Air Compliance - Jennifer Dorn  
Permit Tracking - Janet Mobley  
Technical Support and Modeling - Michele Boner  
Compliance Data Section - Karen Nowak

# **Indiana Department of Environmental Management Office of Air Quality**

## **Technical Support Document (TSD) for an Exemption**

**Source Name:** ICON, Inc.  
**Source Location:** 8333 Clinton Park Drive, Fort Wayne, IN 46825 and  
8343 Clinton Park Drive, Fort Wayne, IN 46825  
**County:** Allen  
**SIC Code:** 3998  
**Operation Permit No:** 003-13810-00280  
**Permit Reviewer:** Mohammad Z Khan

The Office of Air Quality (OAQ) has reviewed an application from ICON, Inc. for the painting of sections and components of trade show /exhibit booths.

### **Permitted Emission Units and Pollution Control Equipment:**

The source consists of the following permitted emission units and pollution control devices:

- (a) One (1) paint booth designated as PB-1, with dry filters to control particulate matter (PM) emissions, used to prime and finish paint on plastic, aluminum, fabric and wood trade show booth sections and components, at a rated capacity of 1 booth per 7.83 hour.
- (b) One (1) paint booth designated as PB-2, with dry filters to control particulate matter (PM) emissions, used to prime and finish paint on plastic, aluminum, fabric and wood trade show booth sections and components, at a rated capacity of 1 booth per 7.83 hour
- (c) One (1) natural gas fired air make up heating unit, rated at 1.80 MMBtu/hr. designated as AMU- 1.
- (d) Twenty (20) natural gas fired building space heating units, each rated at 0.20 MMBtu/hr.

### **Existing Approvals**

The source were operating under the following operating permits:

003-8667-00280, issued on June 24, 1997. This permit was issued to Plant 1 at 8333 Clinton Park Drive.

003-10285-00295, issued on November 30, 1998. This permit was issued to Plant 2 at 3675 Wells Street.

## Source Definition

This trade show company consists of two plants:

- (a) Plant 1 is located at 8333 Clinton Park Drive in Fort Wayne.
- (b) Plant 2 is located at 8343 Clinton Park Drive in Fort Wayne. This plant has been relocated from 3675 Wells Street.

Since the two plants are located on contiguous properties, have the same SIC codes, and are owned by the same company, they will be considered as one source.

## Enforcement Issue

There are no enforcement actions pending.

## Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (Acfm)	Temperature (°F)
PB -1	Touch up and paint spray	21.50	3.00	16,000	Ambient
PB -2	Touch up and paint spray	15.00	3.00	12,000	Ambient

## Recommendation

The staff recommends to the Commissioner that the operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on January 19, 2001.

## Emission Calculations

See Appendix A of this document for detailed emissions calculations ( 6 page).

## Potential To Emit of Source Before Controls

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential To Emit (tons/year)
PM/PM-10	0.46
SO <sub>2</sub>	0.0
VOC	1.36
CO	2.10
NO <sub>x</sub>	2.50

HAP	Potential to Emit (tons/year)
Single HAP	0.31
Combination of HAPs	0.34

The potential to emit of all criteria pollutants are less than the levels specified in 326 IAC 2-1.1-3 (d) (1). Therefore, an exemption will be issued to the source.

### County Attainment Status

The source is located in Allen County.

Pollutant	Status (attainment, maintenance attainment, or unclassifiable; severe, moderate, or marginal nonattainment)
PM	Attainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NO<sub>x</sub>) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (b) Allen County has been classified as attainment or unclassifiable for PM/PM-10, SO<sub>2</sub>, NO<sub>x</sub>, and CO. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (c) Fugitive Emissions  
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2, 40 CFR 52.21 or 326 IAC 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

### Source Status

Existing Source PSD, Part 70 or FESOP Definition (emissions after controls, based on 8,760 hours of operation per year at rated capacity):

Pollutant	Emissions (ton/yr)
PM/PM-10	0.005
SO <sub>2</sub>	0.0
VOC	1.36
CO	2.10
NO <sub>x</sub>	2.50
Combination of HAPs	0.341

- (a) This existing source is not a major stationary source because no attainment regulated

pollutant is emitted at a rate of 250 tons per year or more, and it is not in one of the 28 listed source categories.

## Part 70 Permit Determination

### 326 IAC 2-7 (Part 70 Permit Program)

This existing source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons/year.

This status is based on all the air approvals issued to the source. This status has been verified by the OAQ inspector assigned to the source.

## Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14, 20 and 40 CFR Part 63) applicable to this source.

## State Rule Applicability - Entire Source

### 326 IAC 2-6 (Emission Reporting)

This source is in Allen County and it has the potential to emit VOC is less than 10 tons per year. Therefore, rule 2-6 does not apply.

### 326 IAC 5-1 (Visible Emissions Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

## State Rule Applicability - Individual Facilities

### 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP)) July 27, 1997.

The operation of these paint booths will emit HAPs less than 10 tons per year for a single HAP and less than 25 tons per year for a combination of HAPs. Therefore, this rule will not apply.

### 326 IAC 6-3-2 (Process Operations)

Pursuant to 326 IAC 6-3-2, the PM from the paint booth shall not exceed the pound per hour emission rate established as E in the following formula. Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation :

$$E = 4.10 P^{0.67}$$

Where E = rate of emission in pounds per hour  
P = process weight rate in tons per hour

326 IAC 8-2-9 (Miscellaneous Metal Coating)

The booths paint aluminum. This rule does not apply because the actual VOC emissions for this painting are less than 15 pounds per day.

326 IAC 8-2-11 (Fabric and vinyl coating)

The booths paint fabric. This rule does not apply because the painting involved does not meet the definition of fabric coating from the rule. "Fabric coating" means the coating or saturation of a textile substrate with a knife, roll, or rotogravure coater to impart properties that are not initially present, such as strength, stability, water repellancy, or appearance. The booth uses a air atomized spray system for coating. This is not a knife, roll, or rotogravure coater.

326 IAC 8-2-12 (Wood furniture and cabinet coating)

The booths paint wood. This section of the rule applies to the coating of wood furnishings. The items painted by this operation are not wood furnishings. Therefore, this rule does not apply.

326 IAC 8-1-6 (New facilities, general reduction requirements)

The booths paint plastic. This rule does not apply because potential VOC emissions are less than 25 tons per year.

**Conclusion**

The painting of sections and components of trade show/exhibit booths shall be subject to the conditions of the attached proposed **Exemption 003-13810-00280**.

**Appendix A: Emission Calculations**  
**Natural Gas Combustion Only**  
**MMBTU/HR <10**

**Furnace and Heaters**

**Company Name:** ICON, Inc.  
**Address City IN Zip:** 8333 Clinton Park Drive, Fort Wayne, IN 46825  
**CP:** 003-13810  
**Pit ID:** 003-00280  
**Reviewer:** Mohammad Z Khan  
**Date:** March 28, 2001

Heat Input Capacity  
MMBtu/hr

Potential Throughput  
MMCF/yr

5.8

50.8

Pollutant						
Emission Factor in lb/MMCF	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0	5.5	84.0
				**see below		
Potential Emission in tons/yr	0.0	0.2	0.0	2.5	0.1	2.1

\*PM emission factor is filterable PM only. PM10 emission factor is condensable and filterable PM10 combined.

\*\*Emission Factors for NOx: Uncontrolled = 100 MMBtu/hr, Low NOx Burner = 50, Flue gas recirculation = 32  
 (See Table 1.4-1)

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-01-006-01, 1-01-006-04  
 (AP-42 Supplement D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).

See page 2 for HAPs emissions calculations.



**Appendix A: Emission Calculations**  
**Natural Gas Combustion Only**  
**MMBTU/HR <10**  
**Furnace and Heaters**  
**HAPs Emissions**

**Company Name:** ICON, Inc.  
**Address City IN Zip:** 8333 Clinton Park Drive, Fort Wayne, IN 46825  
**CP:** 003-13810  
**Plt ID:** 003-00280  
**Reviewer:** Mohammad Z Khan  
**Date:** March 27, 2001

HAPs - Organics

Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	5.33E-05	3.05E-05	1.91E-03	4.57E-02	8.64E-05

HAPs - Metals

Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	1.27E-05	2.79E-05	3.56E-05	9.65E-06	5.33E-05

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations  
VOC and Particulate  
From Surface Coating Operations**

**Company Name: ICON, Inc.**  
**Address City IN Zip: 8333 Clinton Park Drive, Fort Wayne, IN 46825**  
**CP: 003-13810**  
**Pit ID: 003-00280**  
**Reviewer: Mohammad Z Khan**  
**Date: March 27, 200 001**

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency
Paint booth PB- 1																
Primer	10.0	0.00%	0.0%	0.0%	0.0%	0.00%	0.00000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	ERR	0%
Thinner	7.0	0.00%	0.0%	0.0%	0.0%	0.00%	0.00000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	ERR	0%
As applied	8.5	68.10%	1.2%	66.9%	1.2%	17.30%	0.06100	0.130	5.75	5.68	0.05	1.08	0.20	0.05	32.85	50%
Finish coat	8.4	74.20%	15.9%	58.3%	16.0%	16.40%	0.03000	0.130	5.83	4.90	0.02	0.46	0.08	0.02	29.86	50%
Clean up solvent	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.03600	0.130	6.99	6.99	0.03	0.79	0.14	0.00	ERR	50%
Fire Retarder	10.8	38.35%	37.5%	0.9%	37.5%	25.10%	0.02300	0.130	0.15	0.09	0.00	0.01	0.00	0.04	0.37	50%

**State Potential Emissions**

**Add worst case coating to all solvents**

**0.10**

**2.33**

**0.42**

**0.11**

**METHODOLOGY**

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)

Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)

Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)

Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)

Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1- Weight % Volatiles) \* (1-Transfer efficiency) \*(8760 hrs/yr) \*(1 ton/2000 lbs)

Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids)

Total = Worst Coating + Sum of all solvents used

**Appendix A: Emissions Calculations  
VOC and Particulate  
From Surface Coating Operations**

**Company Name: ICON, Inc.**  
**Address City IN Zip: 8333 Clinton Park Drive, Fort Wayne, IN 46825**  
**CP: 003-13810**  
**Plt ID: 003-00280**  
**Reviewer: Mohammad Z Khan**  
**Date: March 27, 200**

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	Lb VOC/gal solids	Transfer Efficiency
Paint booth PB-2, touch up unit																
Primer	10.0	45.80%	2.0%	43.8%	2.4%	17.30%	0.05000	0.140	4.49	4.38	0.03	0.74	0.13	0.04	25.32	75%
Thinner	7.2	100.00%	0.0%	100.0%	0.0%	0.00%	0.07000	0.140	7.20	7.20	0.07	1.69	0.31	0.00	ERR	0%
Finish coat	8.4	74.20%	15.9%	58.3%	16.0%	16.40%	0.03000	0.140	5.83	4.90	0.02	0.49	0.09	0.01	29.86	75%
Clean up solvent	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.07200	0.140	6.99	6.99	0.07	1.69	0.31	0.00	ERR	0%
Fire Retarder	10.8	38.35%	37.5%	0.9%	0.0%	25.10%	0.02300	0.140	0.09	0.09	0.00	0.01	0.00	0.09	0.37	0%

**State Potential Emissions**

**Add worst case coating to all solvents**

**0.19**

**4.62**

**0.84**

**0.15**

**METHODOLOGY**

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)

Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)

Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)

Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)

Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1- Weight % Volatiles) \* (1-Transfer efficiency) \*(8760 hrs/yr) \*(1 ton/2000 lbs)

Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids)

Total = Worst Coating + Sum of all solvents used

**Appendix A: Emission Calculations**  
**HAP Emission Calculations**

**Company Name: ICON, Inc.**  
**Address City IN Zip: 8333 Clinton Park Drive, Fort Wayne, IN 46825**  
**CP #: 003-13810**  
**Plt ID: 003-00280**  
**Permit Reviewer: Mohammad Z Khan**  
**Date: March 28, 2001**

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % MEK	Weight % Toluene	Weight % Formaldehyde	Weight % Benzene	Weight % Hexane	Weight % Glycol Ethers	Weight % Methanol	MEK Emissions (ton/yr)	Toluene Emissions (ton/yr)	Formaldehyde Emissions (ton/yr)	Benzene Emissions (ton/yr)	Hexane Emissions (ton/yr)	Glycol Ethers Emissions (ton/yr)	Methanol Emissions (ton/yr)
Primer	10	0.050000	0.14	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	2.00%	0.001	0.00	0.00	0.00	0.00	0.00	0.01
Thinner	7.2	0.070000	0.14	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.31	0.00	0.00	0.00	0.00	0.00
Finish coat	8.4	0.030000	0.14	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clean up solvent	7	0.072000	0.14	0.00%	0.00%	0.00%	0.00%	0.00%	5.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.02	0.00
Fire Retarder	10.8	0.023000	0.14	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total State Potential Emissions

**0.001      0.31      0.00      0.00      0.00      0.02      0.01**

**METHODOLOGY**

HAPS emission rate (tons/yr) = Density (lb/gal) \* Gal of Material (gal/unit) \* Maximum (unit/hr) \* Weight % HAP \* 8760 hrs/yr \* 1 ton/2000 lbs

hapcalc.wb3

# APPENDIX A

Page 6 of 6 tsd app A

**ICON, Inc.**  
8333 Clinton Park Drive, Fort Wayne, IN 46825  
003-13810-00280  
Reviewer: Mohammad Z Khan  
Date: March 27, 2001

(A) **NG fired Heating units:**

MMBtu/hr

1. One (1) natural gas fired air make up heating unit  
2. Twenty (20) natural gas fired building space heating units

: 1.80  
: 4.00  
5.80

(B) **Summary of Emissions (tons/year):**

Units	PM/PM-10	SO 2	Nox	VOC	CO
Air make up heating unit and Space heaters	0.20	0.00	2.50	0.10	2.10
Paint booth PB – 1	0.11	0.00	0.00	0.42	0.00
Paint booth PB –2 and touch Up unit	0.15	0.00	0.00	0.84	0.00
<b>Total</b>	<b>0.46</b>	<b>0.00</b>	<b>2.50</b>	<b>1.36</b>	<b>2.10</b>

(C) **HAPs (tons/year):**

Single Hap : 0.31 tons/yr.  
Combination of HAPs : 0.341 ton/yr.

(D) **Air filters efficiency in the paint booths are 98%. Therefore, PM emissions after the control is 0.005 ton/year.**